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CALL FOR PARTICIPATION - CHI 2022 Workshop - Integration of Human Factors in Surgery: Interdisciplinary Collaboration in Design, Development, and Evaluation of Surgical Technologies

Workshop website - <https://turtle2007.github.io/CHI22-ihfs/>

Submission deadline: February 28, 2022 AoE

All the submissions should be sent to ifhs.chi2022@gmail.com , with the title “chi2022-workshop-YourPaperTitle”.

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KEY DATES

- Workshop paper submission: February 28, 2022
- Notification and confirmation of acceptance of position papers: March 15, 2022
- Workshop date (online): TBD

SUBMITTING A POSITION PAPER TO THE WORKSHOP

- Number of pages: a 4 to 8 long position paper including references in the single-column ACM Master Article Submission templates ([link](#))
- Submissions should be sent to ifhs.chi2022@gmail.com , with the title “*chi2022-workshop-Your PaperTitle*” by February 28, 2022.

Submissions will be reviewed by the workshop organizers and invited reviewers. Reviews will be based on quality and relevance to the themes of the workshop. For more detailed information, please check our website: <https://turtle2007.github.io/CHI22-ihfs/>

→ Please send any questions to: ifhs.chi2022@gmail.com

Aims

Developing surgical interventions and technologies increasingly relies upon interdisciplinary research efforts throughout the research lifecycle: from identifying user needs, through designing and developing solutions, to implementation and testing. This joint effort relies on coordination between various stakeholders across healthcare centers, academia, and industry with each of these roles bringing unique expertise to the process. At the same time, the interdisciplinary collaborations are challenging to initiate and manage, with the result that knowledge and expertise from different fields are not always well integrated.

The goal of this workshop is to unpack challenges in interdisciplinary collaboration to design, develop, and evaluate surgical technologies and forage a pragmatic framework to improve and further develop interdisciplinary collaboration on advanced surgical technologies.

This one-day workshop will bring together stakeholders from HCI, Human factors, Surgical practice, and technology to investigate the potential of interdisciplinary collaboration,

specifically identifying actionable strategies to coordinate and improve efforts towards designing, developing, evaluating, and iterating on the next generation of surgical technologies.

All researchers and practitioners who are interested in discussing opportunities and barriers in interdisciplinary surgical technology research, are encouraged to participate in the workshop.

TOPICS OF INTEREST include, but are not limited to:

- How to effectively organize research activities that accommodate different research focuses, investigation approaches, and working routines in HCI and surgical research?
- Regarding surgical technology development, in what way can surgical stakeholders and research resources be coordinated to support longitudinal evaluations on surgical technology?
- What practical guideline or framework can facilitate integrated interdisciplinary collaboration?
- How do new surgical technology interventions reconfigure individual and collective experience in the operating room for supporting performance and decision-making (e.g. in the operating room or other user contexts)? What research methodologies can be used to minimize the potential tensions raised by new surgical interventions?
- What would be the strategies to address complexity in the operation room, or more broadly, in the surgical environment?
- Regarding ethical policy-making, what potential ethical issues may arise when facilitating interdisciplinary collaborations?

ORGANISERS: (in alphabetic order)

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